

10/540523

Preliminary Amendment
Attorney Docket No. 052668

JC17 Rec'd PCT/PTO 24 JUN 2005

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Original): A cooling device for an electronic component, comprising a thermoelectric conversion material disposed between two electrodes that function as a cathode and an anode and are electrically short-circuited, the cooling device being brought into contact with an electronic component requiring cooling so that one electrode side in contact with the thermoelectric conversion material becomes a low-temperature side and the other electrode side becomes a high-temperature side, a temperature difference between the two electrodes causing the thermoelectric conversion material to produce a thermoelectromotive force which generates current to cool the high-temperature side.

2. (Original): The cooling device for an electronic component according to Claim 1, wherein the thermoelectric conversion material is either a p-type material or an n-type material or a combination of p-type and n-type materials arranged alternately in series.

3. (Currently amended): A cooling system comprising two or more stacked cooling devices according to Claim 1 [[or 2]].

4. (Currently amended): A cooling system comprising the cooling device according to Claim 1 [[or 2]].